

Cédric GESTES
38 bd GORKI
94800 Villejuif
+33 6 70 34 82 65
ctaf42@gmail.com

born on: 02/05/1984
23 years old

Software Engineer

Grades

- 2008 : **Bac+5**, EPITA engineering school (Kremlin Bicêtre), Real time System specialization
- 2006 : **Bac+4**, EPITA engineering school (Kremlin Bicêtre), Artificial Intelligence specialization
- 2004 : **Bac+2**, IUT Informatique (Rodez)
- 2002 : **Baccalauréat S-SI** (Scientiste, Engineering Science) in CABANIS at Brive la Gaillarde.

Skills

- **Critical and Embedded Systems:** VxWorks, Windows CE, ucOS, RTEMS, OpenEmbedded
- **OS/Real time knowledge:** DO178B, real time scheduling, industrials locals networks (ProfiBus, Can, DeviceNet, ...), kernel and CPU(x86, MIPS) architecture, robotics, data busses (i2c, usb, smbus)
- **Microcontroller:** Pic 16f (on a demoboard), Pic 30f for a quadricopter, arm7/arm9, infineon xc167, psoc (overview)
- **Programmation :** c, c++, delphi, ada, ruby, vb, java, bash, ASM(68k, x86), bison, yacc, perl, python
- **Framework:** gtk, gtkmm, qt, mfc
- **Web/Sql langages :** HTML, PHP, CSS, Javascript, Xml, Xslt, SQL, PL/SQL, PLPG/SQL
- **General knowledge:** software engineering (Merise, UML, PERT, GANT), database, network and GNU/linux administration, Computer architecture, predicate logic, graph theory, parsing/lexing, petri nets

Projects

- **C language** : network filesystem driver under windows using the **DDK**, **kaneton microkernel** (**bootloader**, **virtual memory**, **IRQ**, **timer**, **scheduling**, **IPC**) , **RTEMS** port on a Nintendo DS (**arm7/arm9**), malloc/free, libstream (buffered IO), infinite number calculator, **bash** clone, webserver and database server under HP-UX, contribution to gaim-netsoul, contribution to **alsa**.
- **C++ Language** : Tiger compiler, chess game, many **MFC** applications, **VST** host and plugins, **LV2(OSC, jack, jack-midi)** plugins with **gtkmm**. contribution to **mixxx** and **postqc**, two open source music software.
- **Others** : Coupe de france de robotique (programmation **arm9**), Quadricopter model (using 30f pic), assembler/interpreter in **ADA**, **lisp** interpreter in functional **caml**, **jabber** server in delphi, vnc http tunnel, two DOM parser using **gecko** and **khtml**.

Experiences

- **February** – ...: Aldebaran Robotics (Paris, 75): low level programming on arm7, cross-compilation, open-embedded packaging, linux kernel driver
- **June – December 2006**: Delos France (Paris, 75): R&D programming
- **October – December 2005**: Delos France (Paris, 75): network filesystem driver under windows
- **April – June 2004**: ITHPP (Thégra, 46): Installation of a redhat mail/dns/proxy/http/ftp server
- **August 2003**: 1 month as a roofer in Brive
- **August 2002**: 3 weeks at La Poste (Brive Principal, 19)

Divers

- **Entertainments** : Moto (enduro), electronic music, percussion, guitar, drums
- **Licences** : A1,B
- English TOEIC: 845